

FIG. 1

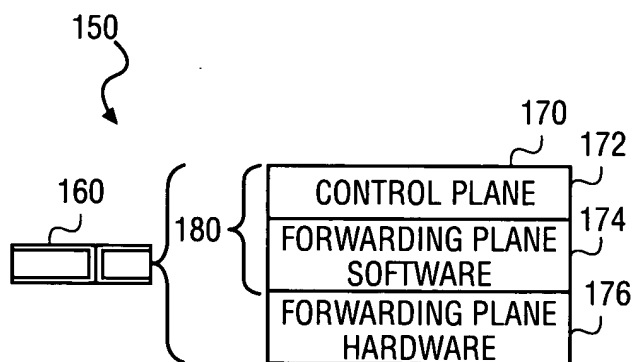


FIG. 2

EACH OF THE NETWORK ELEMENTS ABOVE HAVE TIGHTLY COUPLED, PROPRIETARY FORWARDING PLANE HARDWARE & SOFTWARE, DESIGNED TO SUIT A SPECIFIC NEED. UPDATING THE HARDWARE REQUIRES AN UPDATE OF ALL THE SOFTWARE

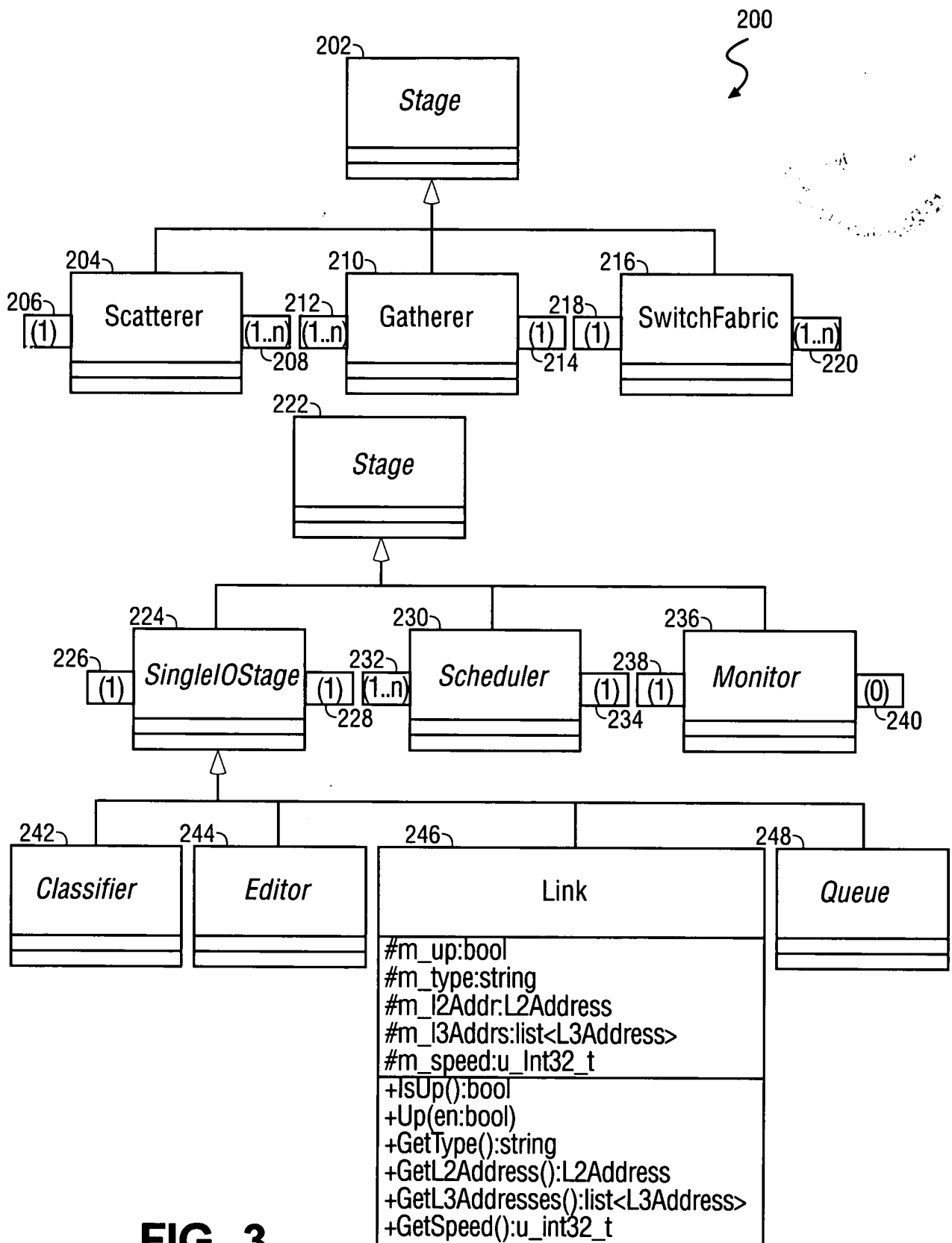


FIG. 3

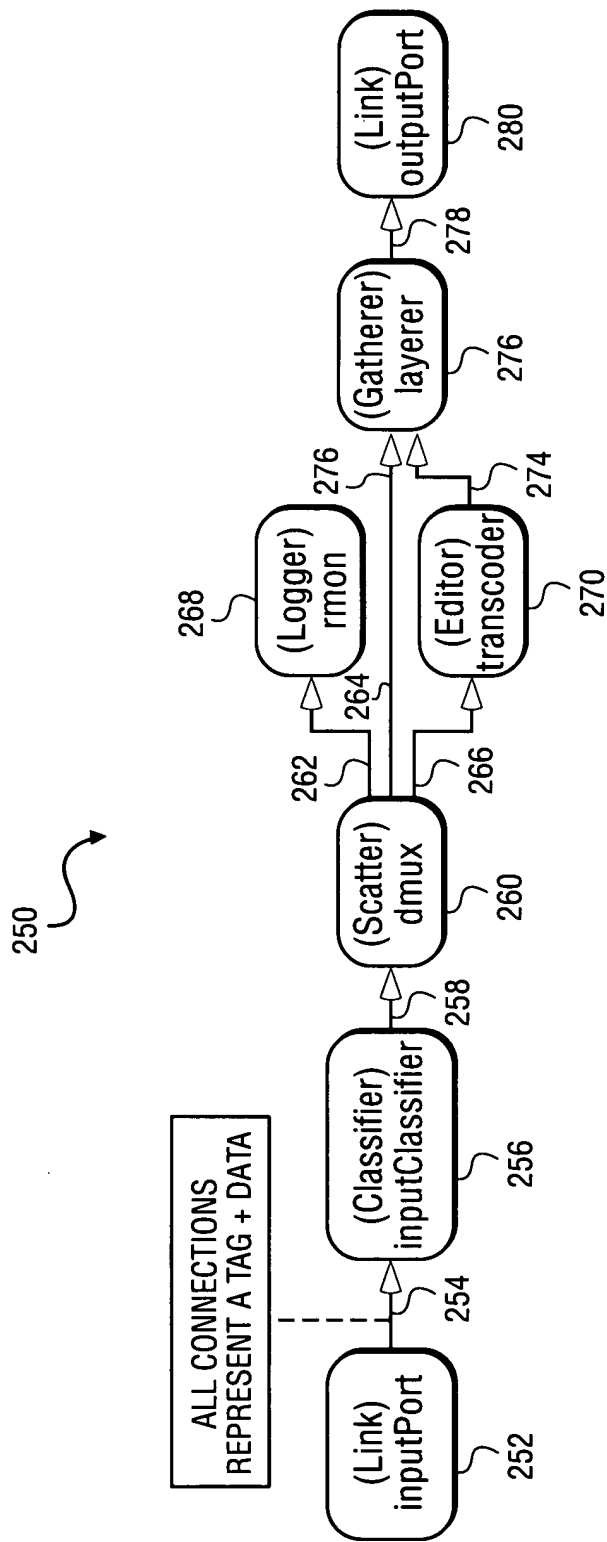


FIG. 4

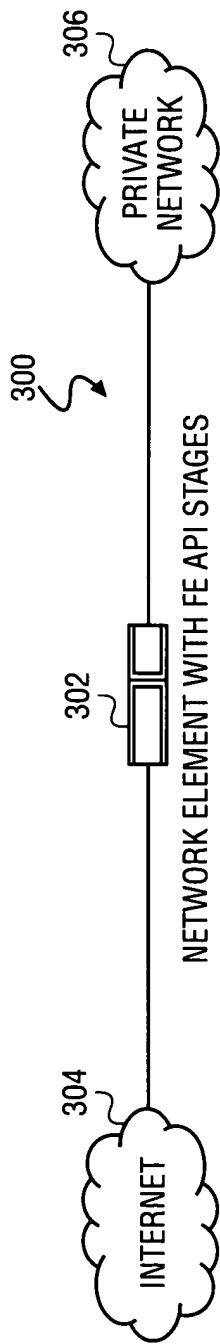
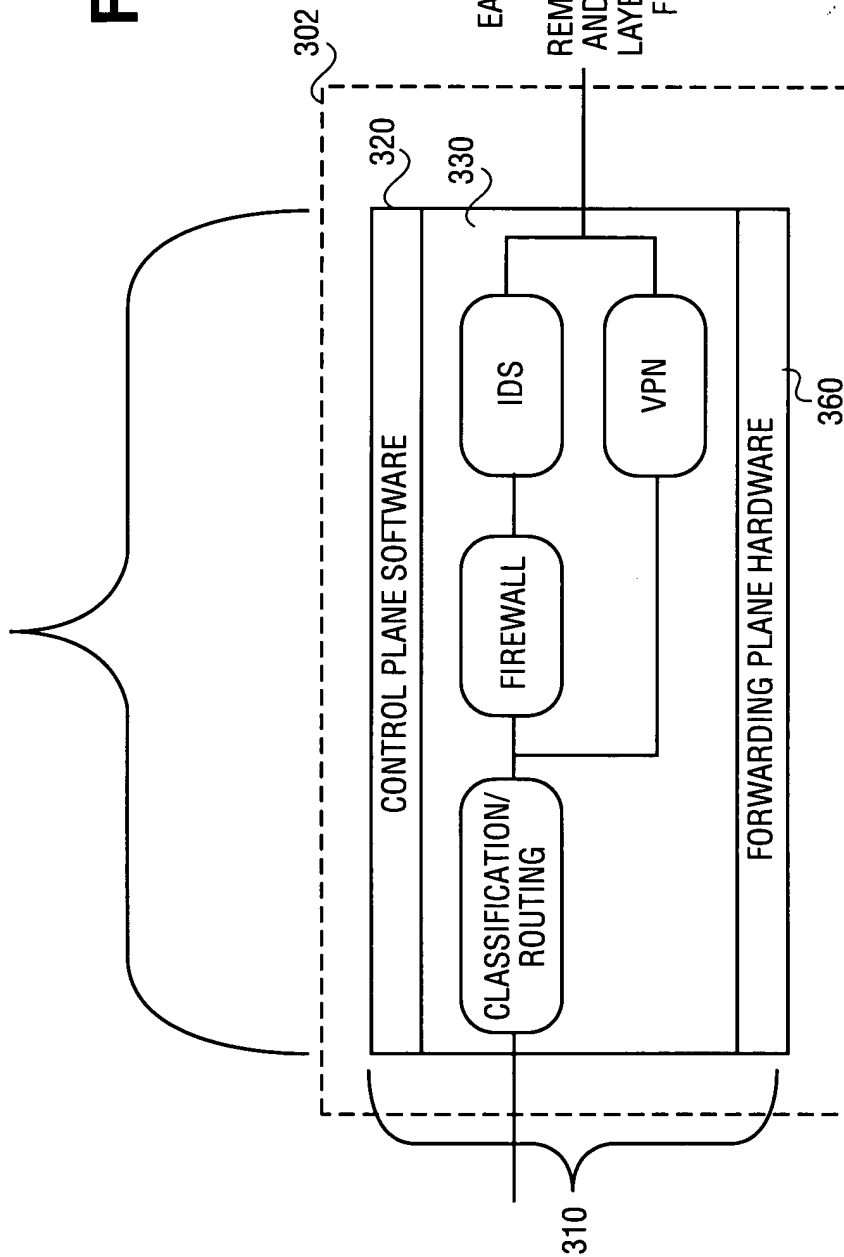


FIG. 5



EACH STAGE CAN BE
INSERTED AND
REMOVED IN SOFTWARE
AND UPPER SOFTWARE
LAYERS ARE INSULATED
FROM HARDWARE
CHANGES

FIG. 6

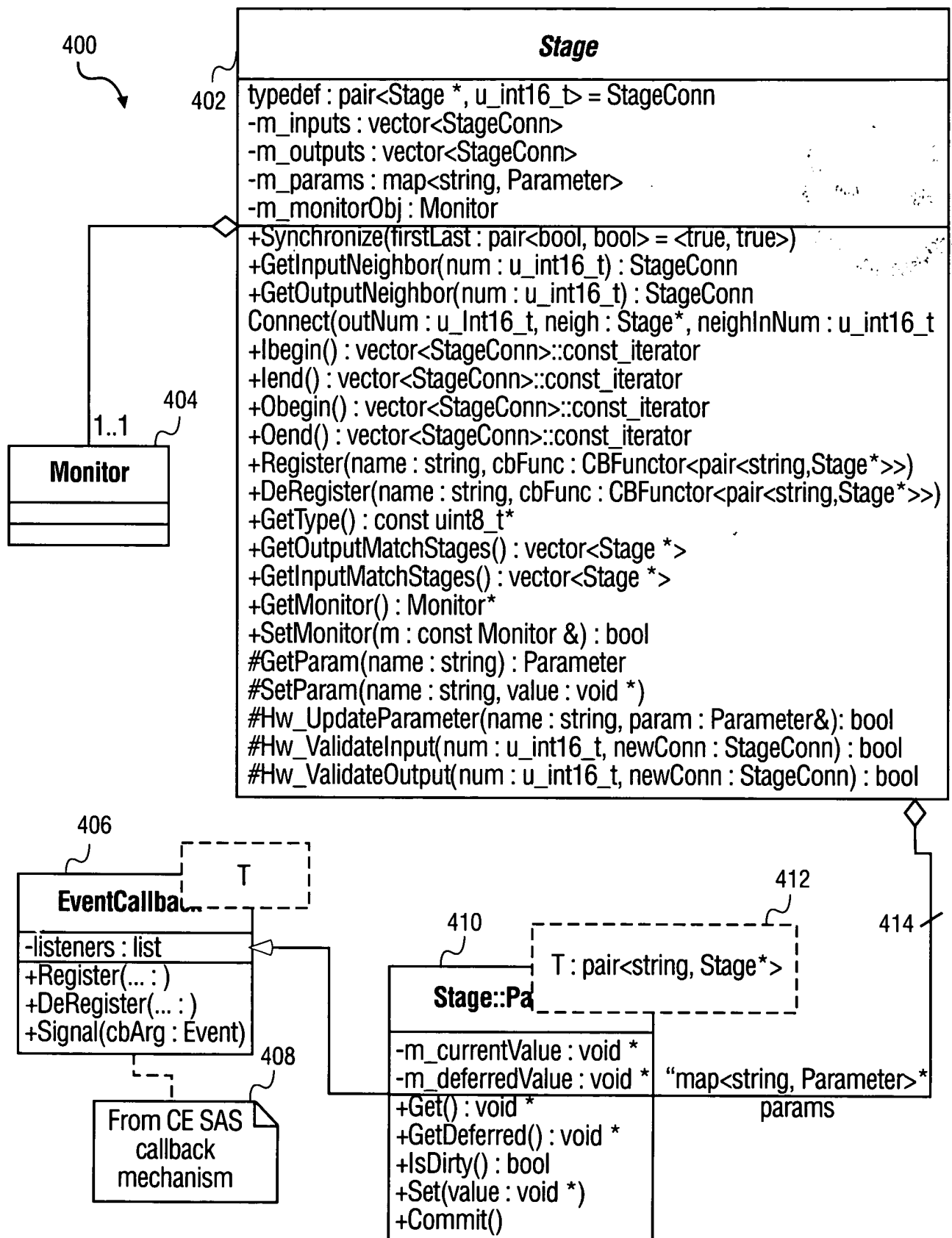


FIG. 7

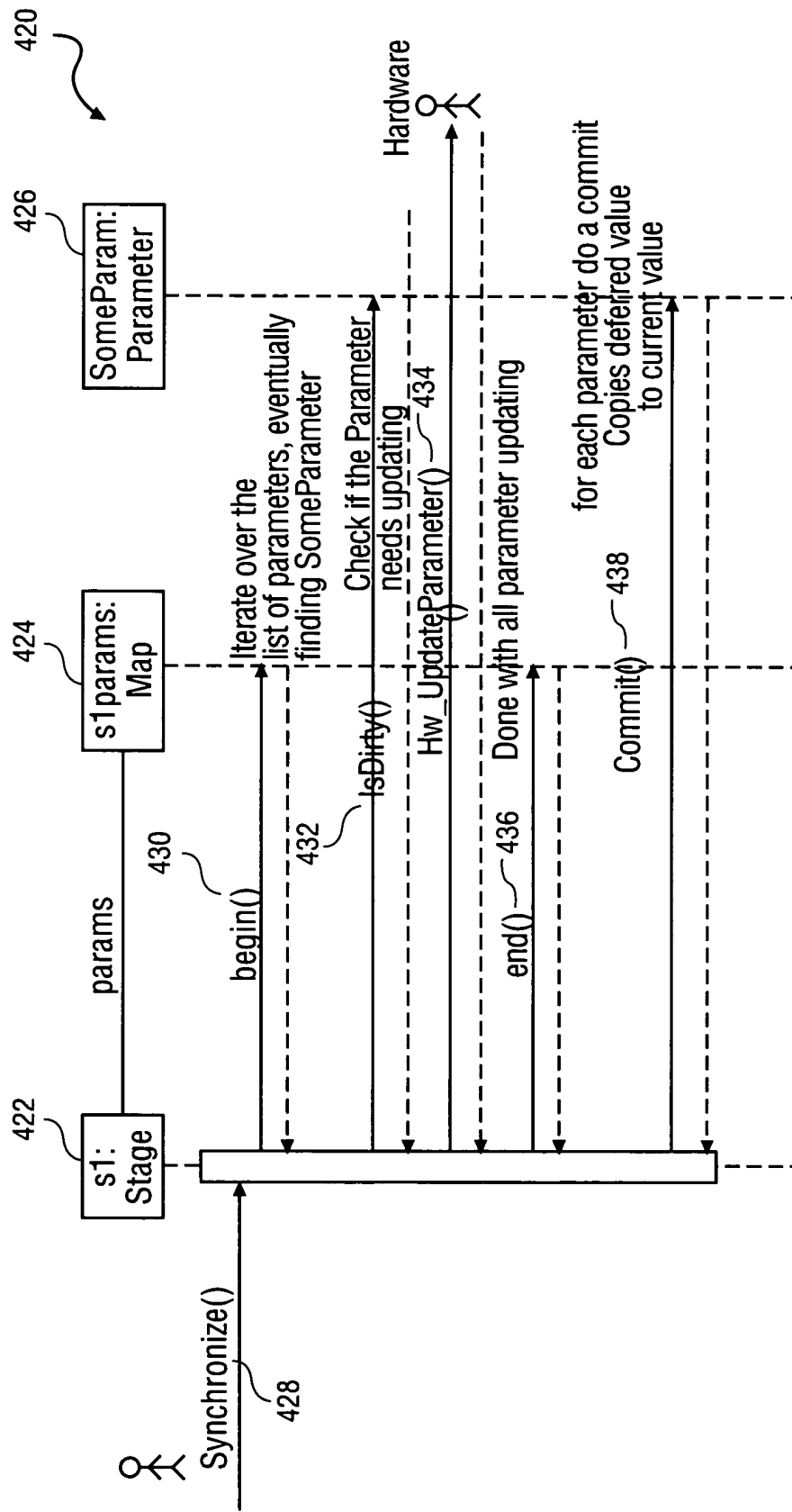


FIG. 8

FIG. 9 = 450-464

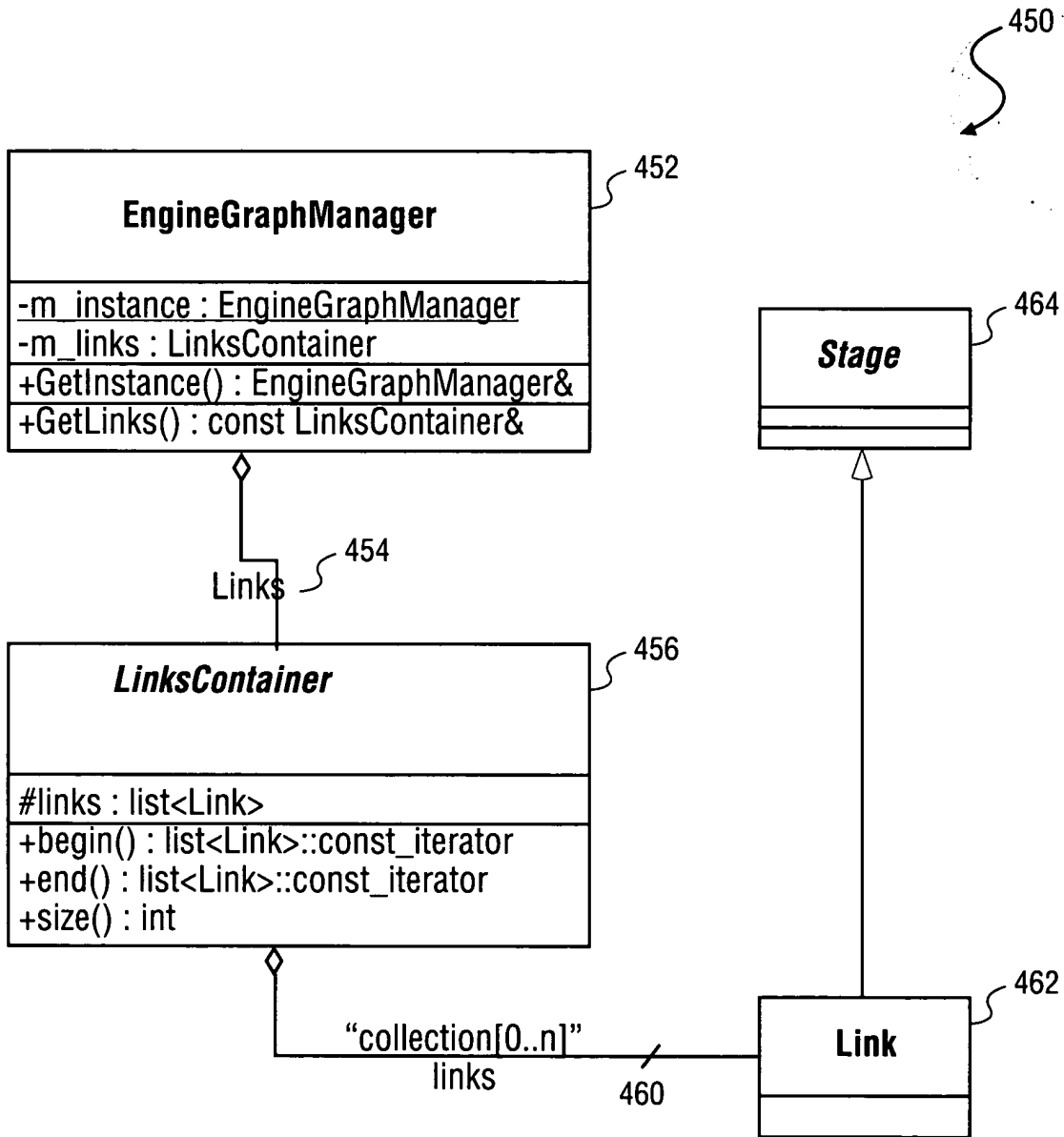


FIG. 9

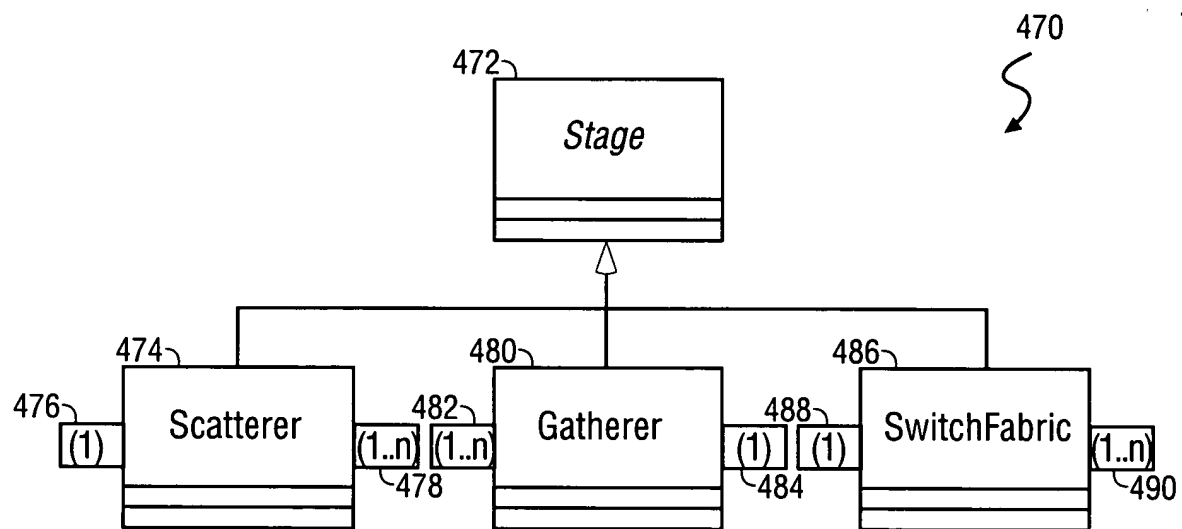


FIG. 10

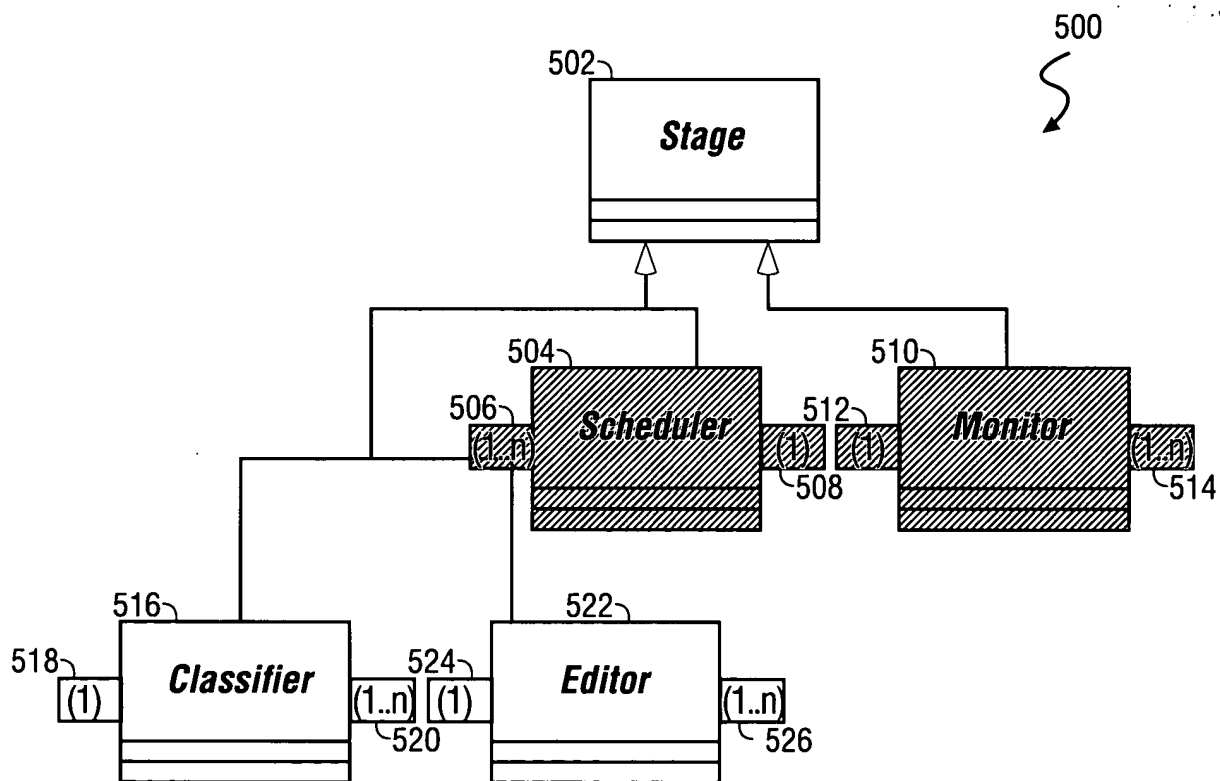


FIG. 11

FIG. 12

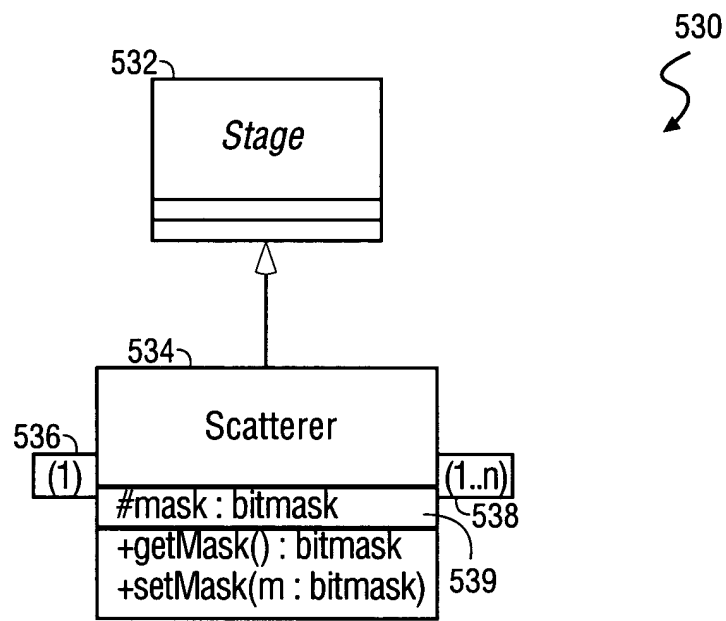


FIG. 12

FIG. 13

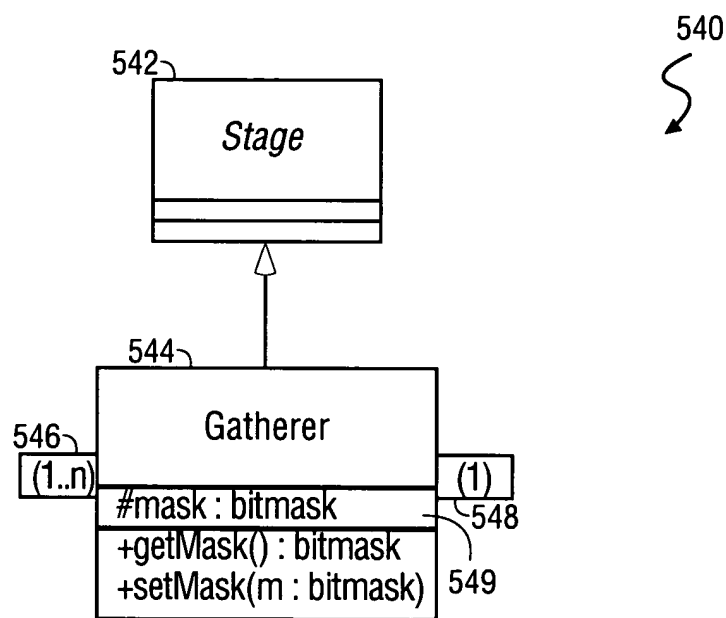


FIG. 13

FIG. 14

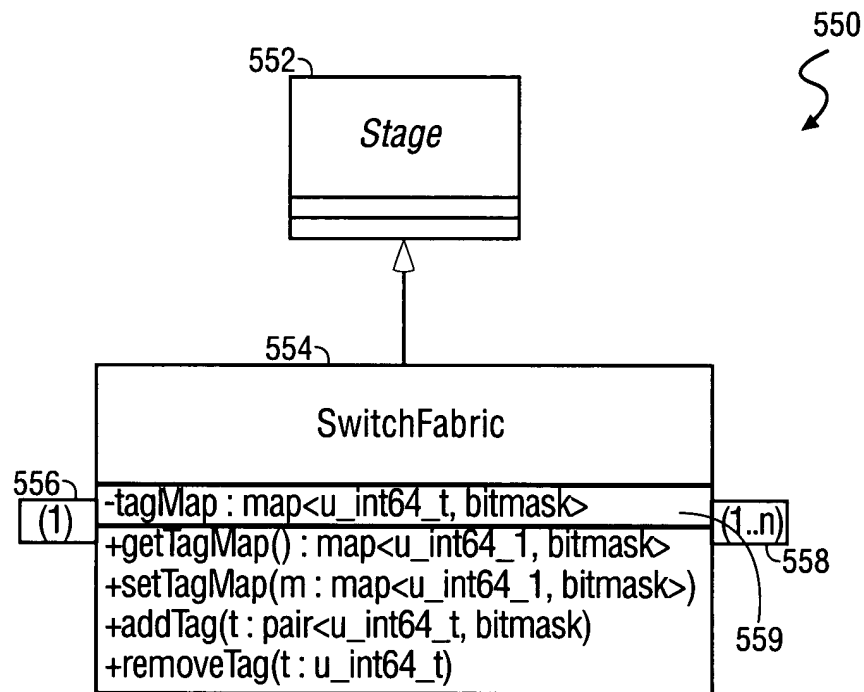


FIG. 14

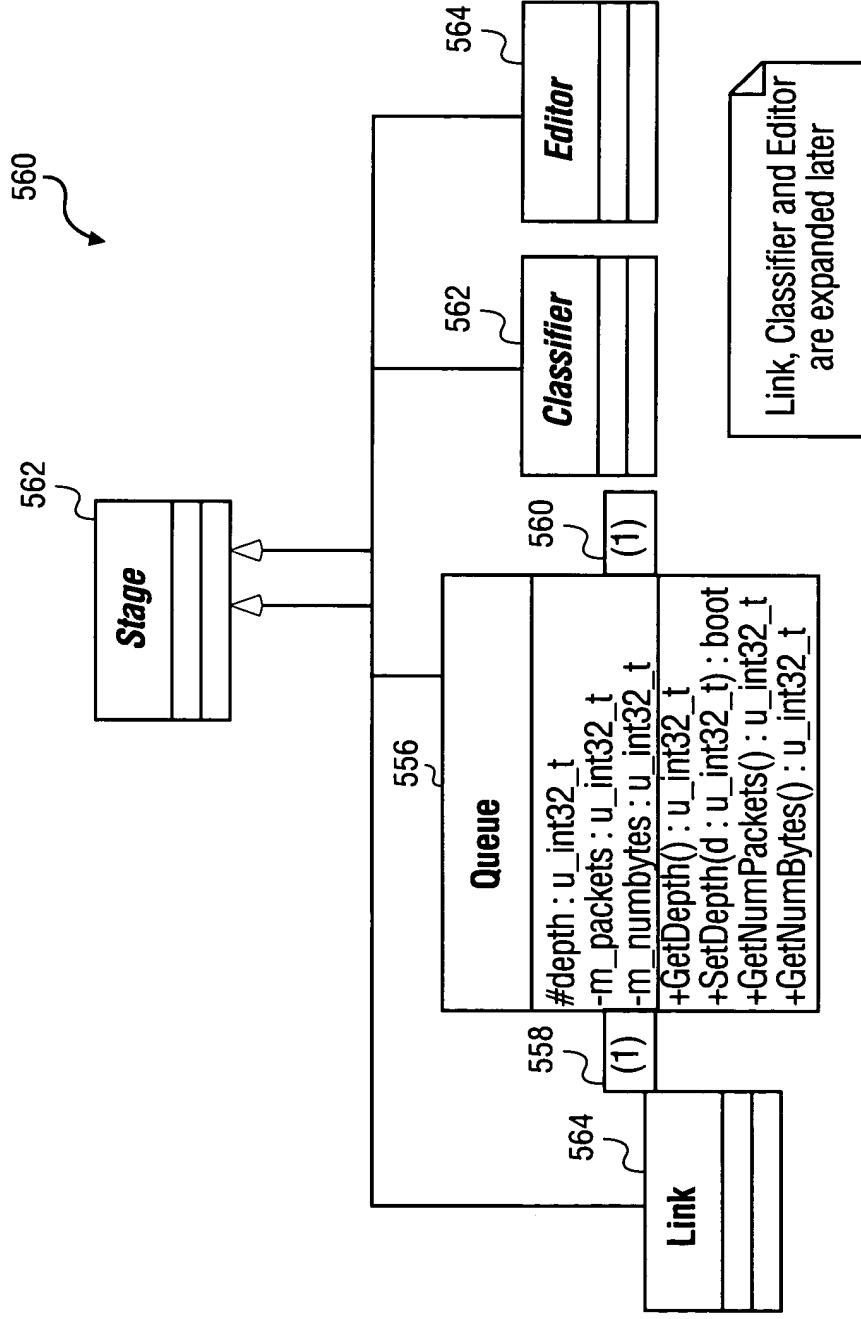


FIG. 15

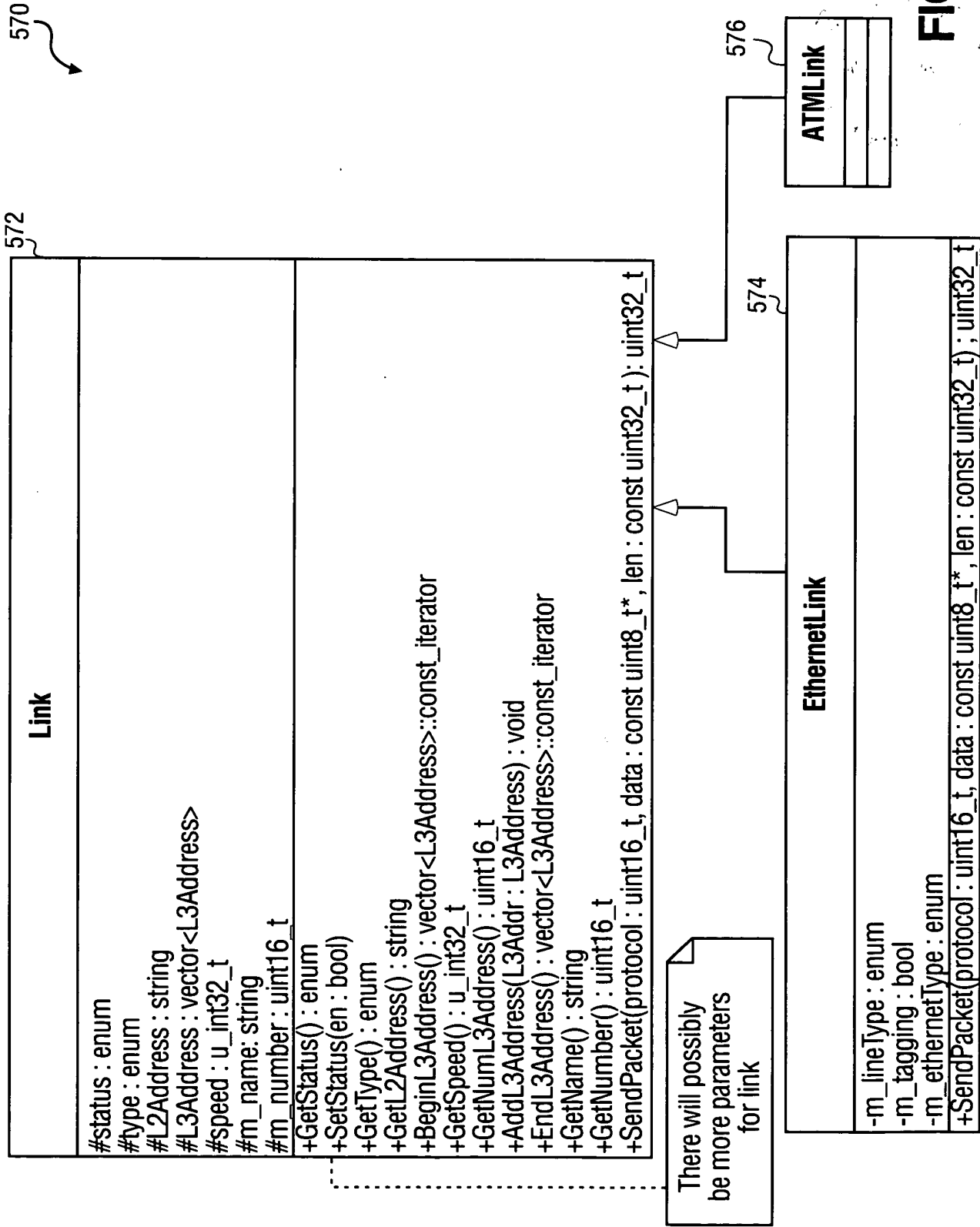
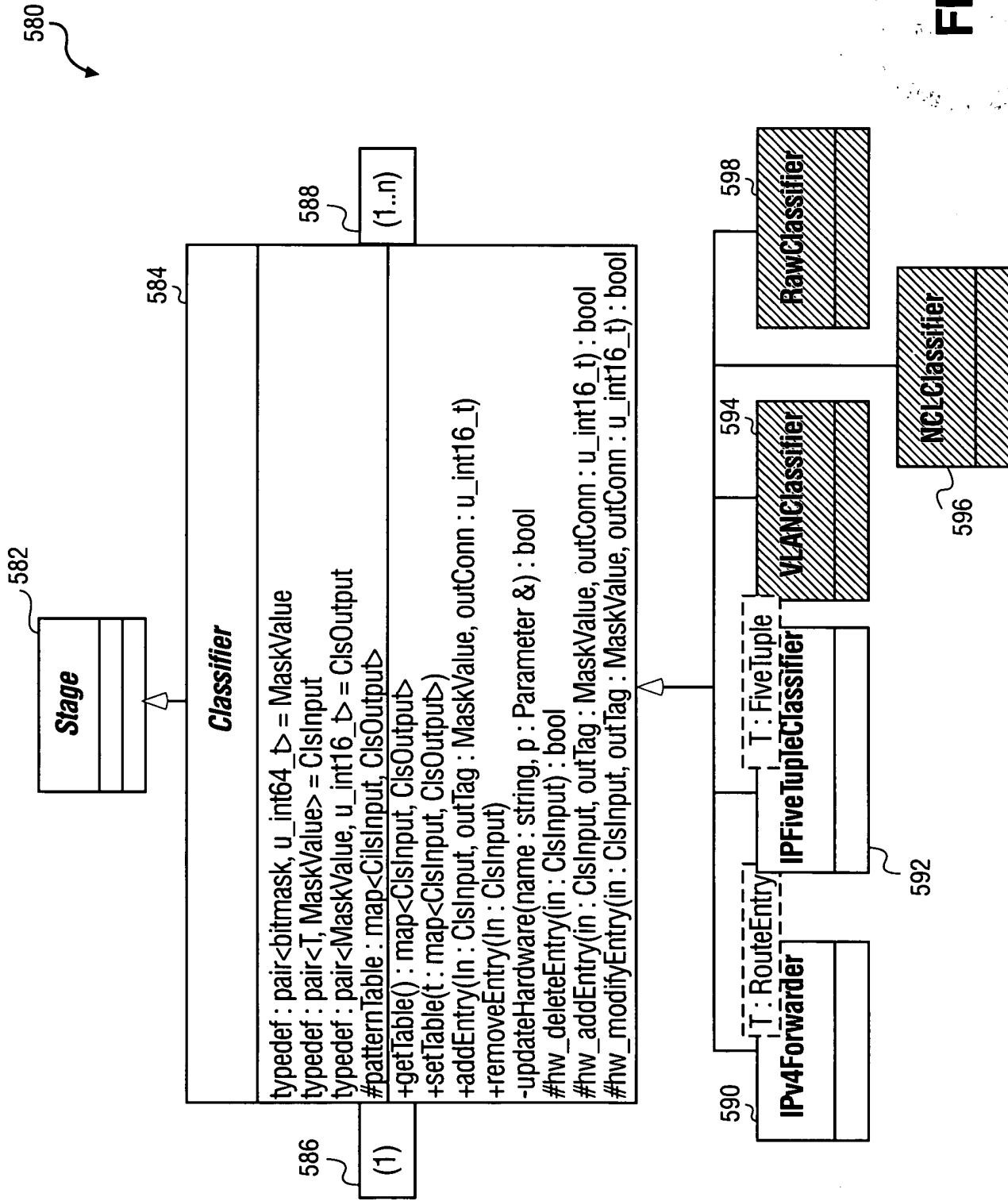


FIG. 16



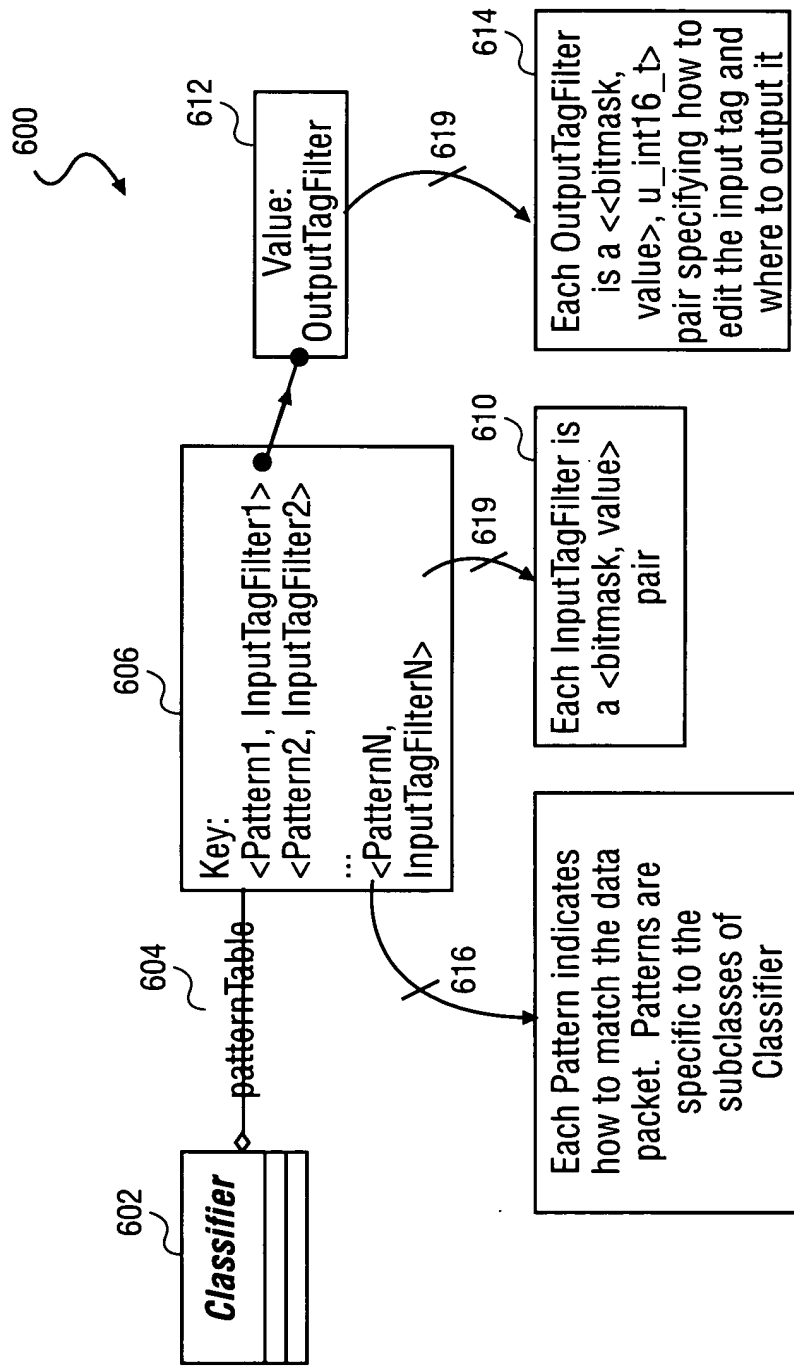


FIG. 18

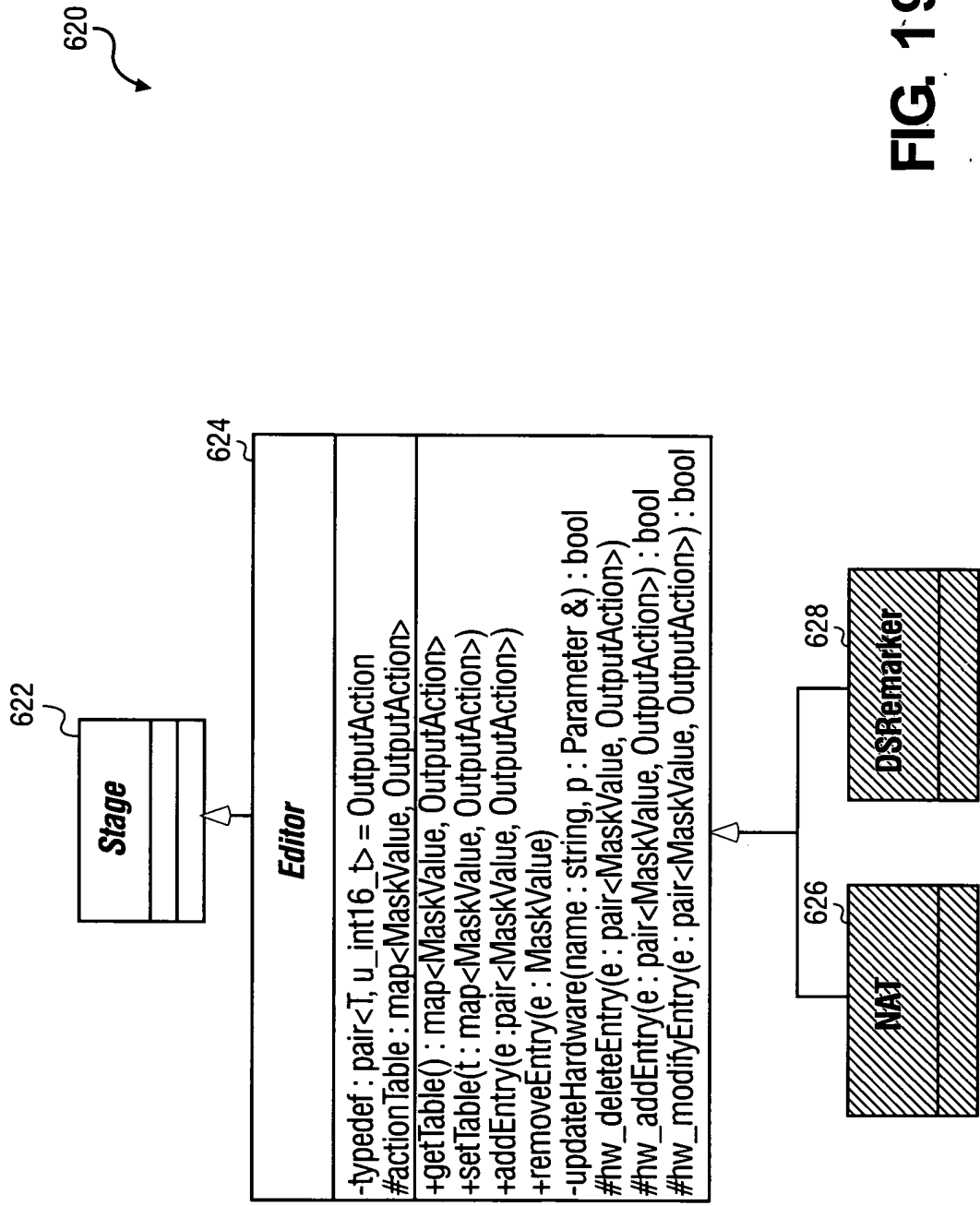


FIG. 19

630

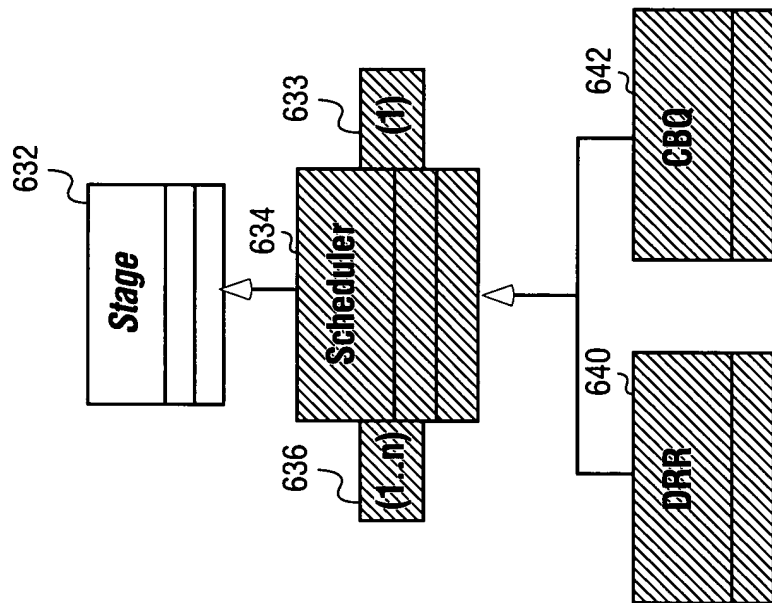


FIG. 20

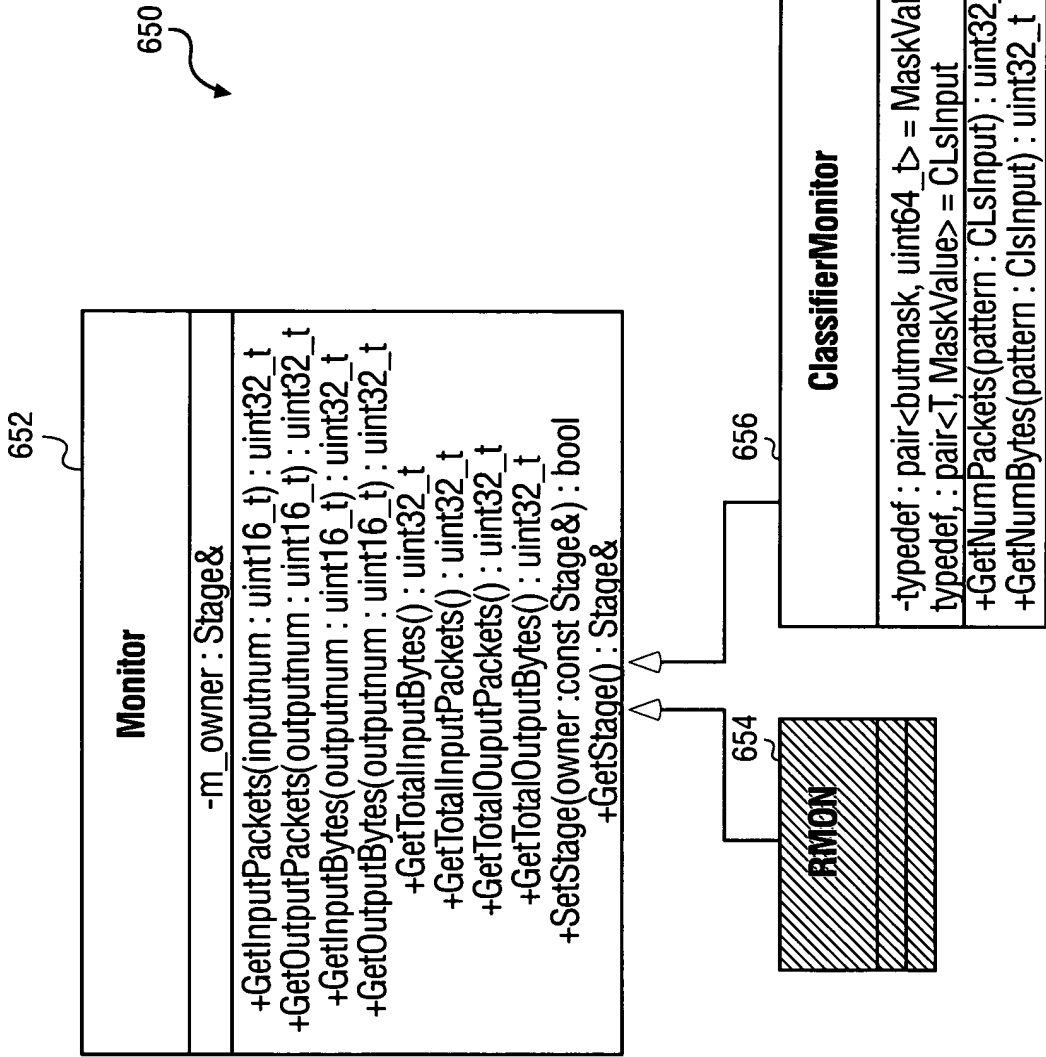


FIG. 21

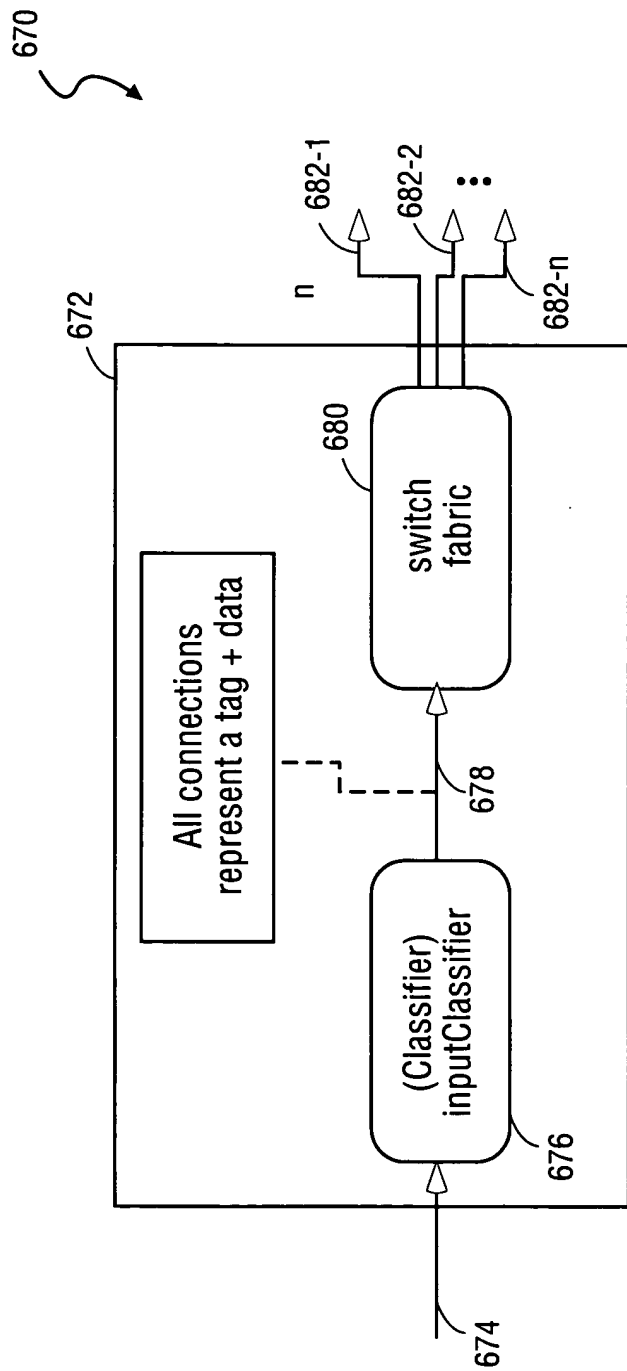


FIG. 22

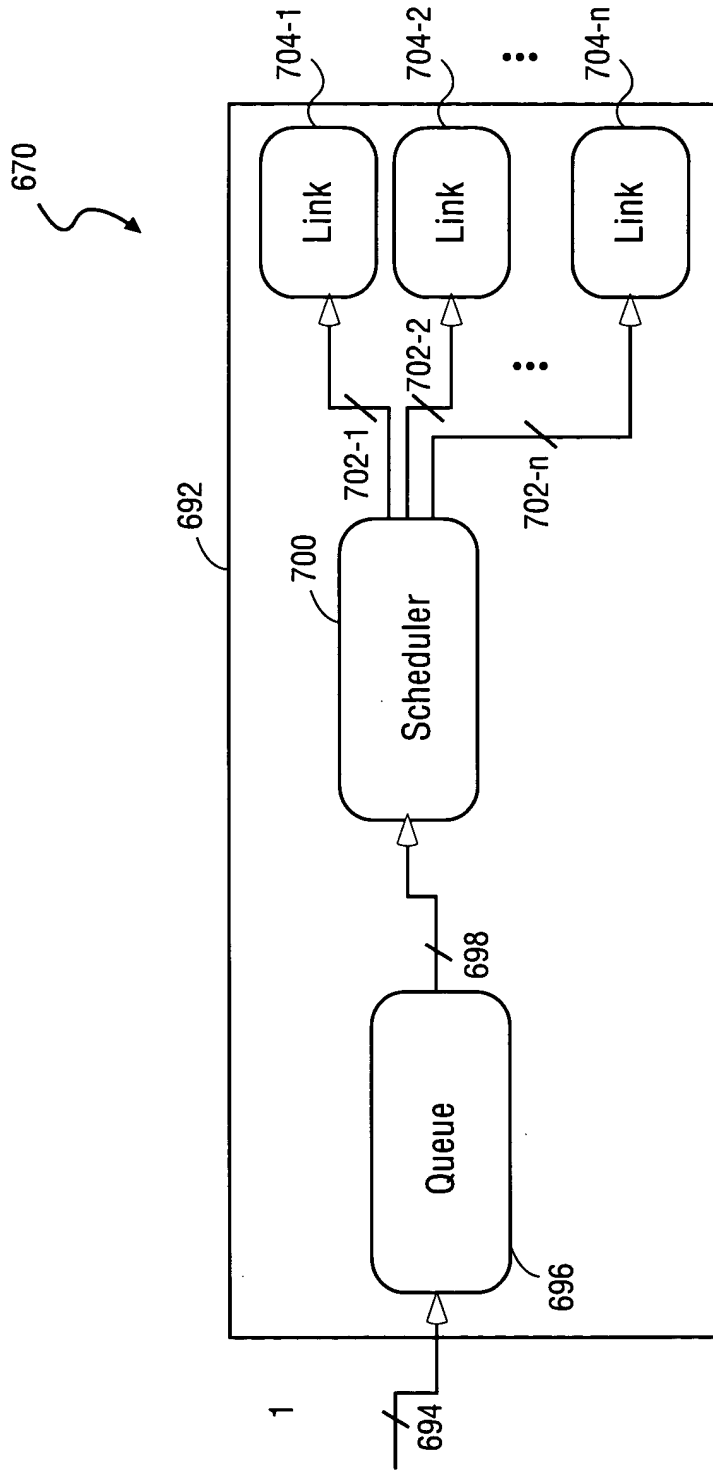


FIG. 23